

Amendments to the Specification:

- 1.) Please replace the paragraph beginning at page 4, line 18, with the following rewritten paragraph:

As realized by the skilled in the art real system implementations utilizing cooperative relaying needs control mechanisms for controlling the involved relay stations. The need of control arises primarily due to the mobility of the mobile stations and resulting topology changes and may for example include relay activation and deactivation. The need for control mechanisms is schematically illustrated in FIG. 2, wherein a moving mobile station ~~205~~ 220 is communicating via the relay stations ~~240:1~~ 215:1 and ~~240:2~~ 215:2 at time T_1 and the relay stations ~~240:1~~, ~~240:3~~, ~~240:4~~ 215:2, 215:3 and ~~240:5~~ 215:4 at time T_2 .

- 2.) Please replace the paragraph beginning at page 5, line 4, with the following rewritten paragraph:

A further problem that is not addressed in the prior art is how to employ session or user centric control of the relays when multiple receivers are present as they may have conflicting optimal relay configurations and parameters settings. The optimality may differ with respect to which relay is active, transmit power levels, channel assignments, space time coding options and phase adjustment etcetera used. A situation which may give arise to conflicting relay configurations and parameters settings is schematically illustrated in FIG. 3, wherein two relay mobile stations ~~305:1~~ 320:1 and ~~305:2~~ 320:2 are both communicating partly via the same relay station ~~340:1~~ 315:2. The relay station ~~340:1~~ 315:2 may in this scenario experience conflicting demands from the mobile stations ~~305:1~~ 320:1 and ~~305:2~~ 320:2. The optimization problem of finding an optimal, or close to optimal, configuration for a set of users, will, even if only a few users with

potentially conflicting optimal configuration are considered, soon become very complicated and time consuming, or even in practise unmanageable.

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